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| U.S. APPLICATION NUMBER NO. | FIRST NAMED APPLICANT | ATTY. DOCKET NO. |
|-----------------------------|-----------------------|------------------|
| 10/559,981 | John Kouvetakis | 05-720-US2 |

INTERNATIONAL APPLICATION NO.

PCT/US04/18961

| I.A. FILING DATE | PRIORITY DATE |
|------------------|---------------|
| 06/14/2004 | 06/13/2003 |

20306
 McDONNELL BOEHNEN HULBERT & BERGHOFF LLP
 300 S. WACKER DRIVE
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 CHICAGO, IL 60606

DOCKETED

CONFIRMATION NO. 6588

371 FORMALITIES LETTER



OC000000018551075

APR 25 2006
 Oath/Decl/Fee 6-20-06
 DUE DATE:
 BY: *PTO*

Date Mailed: 04/20/2006

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 12/08/2005
- Oath or Declaration filed on 12/08/2005
- U.S. Basic National Fees filed on 12/08/2005
- Priority Documents filed on 12/08/2005

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
 - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$65 for a Small Entity:

- \$65 Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

FREDERICK SMITH

Telephone: (703) 308-9140 EXT 210

PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 10/559,981 | PCT/US04/18961 | 05-720-US2 |

FORM PCT/DO/EO/905 (371 Formalities Notice)

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 05-720-US2)**

In re Application of:)
John Kouvetakis)
Serial No.: 10/559,981) Group Art Unit: To be assigned
Filing Date: December 8, 2005) Examiner: To be assigned
For: GESN Alloys and Ordered Phases with) Confirmation No.: 6588
Direct Tunable Bandgaps Grown Directly on)
Silicon)

Mail Stop: MISSING PARTS
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

RESPONSE TO MISSING REQUIREMENTS

MAILED 20 APRIL 2006

Dear Sir or Madam:

In reference to the Notice to File Missing Requirements mailed April 20, 2006, attached to this paper is a Declaration and Power of Attorney completed by the applicants of the above-referenced U.S. Patent Application. Also, please find a check in the amount of **\$575.00** for the Small Entity Missing Parts fee (\$65) and the Three (3) Month Extension of Time Fee (\$510.00). If the Examiner has any questions, please contact the below-signed at (312) 913-2106.

Date: 9/5/06

Respectfully submitted,

David S. Harper, Ph.D.
Registration No. 42,636

09/08/2006 MKAYPAGH 00000106 10559981

02 FC:2253

510.00 NP



09-06-06
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 05-720-US2)

PATENT

PCT/US

IAP7 Rec'd PCT/PTO 05 SEP 2006

Initial Application of:

John Kouvetakis

Serial No.: 10/559,981

Filing Date: December 8, 2005

For: GESN Alloys and Ordered Phases with

Direct Tunable Bandgaps Grown Directly on

Silicon

)
)
)
Group Art Unit: To be assigned
)
Examiner: To be assigned
)
Confirmation No.: 6588

TRANSMITTAL LETTER

Mail Stop: MISSING PARTS
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Dear Sir/Madam:

In regard to the above-identified U.S. patent application;

1. We are transmitting herewith the attached:

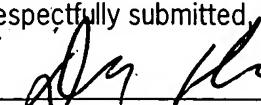
- a) Transmittal Letter (1 sheet)
- b) Copy of Notice of Missing Requirements mailed April 20, 2006 (2 sheets);
- c) Response to Missing Parts (1 sheet);
- d) Executed Declaration and Power of Attorney (6 sheets);
- e) Petition for 3-Month Extension of Time (1 sheet);
- f) Return Receipt Postcard.

2. With respect to fees:

- a) Enclosed please find a check in the amount of **\$575.00** for the Missing Parts Fee (\$65.00) and Three (3) Month Extension of Time Fee (\$510.00).
- b) Please charge any underpayment or credit any overpayment our Deposit Account, No. 13-2490.

3. CERTIFICATE OF MAILING BY "EXPRESS MAIL" UNDER 37 CFR § 1.10: The undersigned hereby certifies that this Transmittal Letter and the papers, as described hereinabove, are being deposited with the United States Postal Service with sufficient postage as "Express Mail Post Office to Addressee" in a box addressed to: Mail Stop: MISSING PARTS, P.O. Box 1450, Alexandria, VA 22313-1450, on this 5th day of September, 2006. Express Mail No. **EV839376267US.**

Respectfully submitted,



David S. Harper, Ph.D.
Registration No. 42,636

09/08/2006 MKAYPAGH 00000106 10559981

01 FC:2617

65.00 OP